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INSTITUTE OF SOCIAL
MEDICINE

MERIONETH

10, PARKS ROAD,
OXFORD

COUNTY



COUNCIL

PUBLIC HEALTH REPORT

for the Year

1949

Medical Department,
County Offices,
Dolgelley.

W. F. GAPPER,
B.Sc., M.B., Ch.B., D.P.H.,
County Medical Officer.

"Seren" Office, Bala.

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MEDICAL DEPARTMENT,
COUNTY OFFICES,
DOLGELLEY.

*To the Chairman, Aldermen and Councillors
of the Merioneth County Council.*

Mr. Chairman, Mrs. Jones-Roberts, and Gentlemen,—

I beg to submit the Annual Report on the Health of the County of Merioneth for 1949.

After more or less a steady increase in the birth rate during the last ten years it showed a decrease for the year 1949, being 16.66 as compared with a rate of 16.7 for England and Wales. The death rate has been decreasing for the past four years and the rate of 14.37 is the lowest since 1914. The death rate for England and Wales was 11.7 per 1,000.

It is gratifying to see from the Vital Statistics that the Infant Mortality Rate again reached a new low record of 32.45. The Infant Mortality Rate for England and Wales was 32.0. For the second year in succession there was no maternal death. The rate for England and Wales was 0.82 per 1,000 births. It is interesting to note that 39% of the births took place outside the County and that 71.6% of the total births took place in institutions. The average percentage of the births which took place outside the County for the previous five years was 29. The percentage of the total births which took place in institutions in 1938, the year preceding the war, was 23.3.

There were 33 deaths from tuberculosis, 27 respiratory and 6 non-respiratory, being an increase in deaths in non-respiratory and a decrease in respiratory cases.

Apart from tuberculosis the most fatal infectious disease was influenza, which accounted for 20 deaths. Three deaths were due to whooping cough, while there were no deaths from scarlet fever, measles or diphtheria.

There was one fatal case of anterior poliomyelitis, the patient having contracted the disease abroad some years previously.

Further observations on the health service are embodied in the report.

I am grateful to the Members of the Council and particularly the Chairman and Members of the Health Committee for their help throughout the year, and to the officials of the other departments.

I thank the staff of the Health Department including Nurses, Doctors and Clerks as well as General Practitioners and voluntary workers for their loyalty and kind co-operation.

I am,

Your obedient Servant,

W. F. GAPPER,

County Medical Officer of Health

1st November, 1950.

MEMBERS OF THE HEALTH COMMITTEE

Aldermen :

Richard Thomas Vaughan, C.B.E.	John Morris.
Thomas Lloyd Jones.	Hugh Tudor.
Alfred Ernest Hughes, C.B.E.	Frank Owen.
	John Parry.

Councillors :

William Griffith Roberts.	Richard Owen Griffith.
Mrs. K. W. Jones-Roberts,	Richard Evan Rees.
Robert Caer Jones. (O.B.E.)	William Morris Williams.
Robert Richard Davies.	Rev. T. Alun Williams.
John Jones	Lewis Williams.
Hugh Richard Jones.	Evan John Jones.
Lewis Francis Davies.	Robert David Jones.
Owen Arthur Jonathan.	David Tudor.
Sir Charles Phibbs.	Edward Edwards.
Robert Owen Wynne.	Edward John Evans.
Dafydd Llewelyn Pugh.	M. Llewelyn Jones.
Rev. Evan Lynch.	Rev. Cadvan Jones.
Thomas Evan Jenkins.	William Aelwyn Hughes.
Robert Mawddwy Jones.	John Llewelyn Davies.

Women Members :

Mrs. Dr. Morris, Bryn Marian, Bleanau Ffestiniog.
Mrs. Goronwy Owen, Dolgoed, Bala.
Mrs. M. Parry, M.B.E., Penrhyndyfi, Pennal.
Mrs. B. Maelor Jones, Frondirion, Dolgelley (Secretary to the County Nursing Association).
Miss Breese Davies, Meirion House, Dinas Mawddwy.

Representing the Medical Practitioners :

Dr. O. Glyn Jones, Isallt, Blaenau Ffestiniog.
Dr. D. O. Williams, Bryn, Barmouth.

Representing the Hospital Management Committee :

Dr. R. W. Edwards, Caerffynnon, Dolgelley.
Mr. W. G. Jones, Argoed, Dolgelley.
Mr. J. T. Edwards, Bryn Hyfryd Terrace, South Lane, Ponciau, Wrexham.

Representing the Executive Council :

Mr. John Lloyd, M.A., Glyn, Llanbedr.

Members of the Care Committee :

Hugh Richard Jones.	M. Llewelyn Jones.
Robert Richard Davies.	Lewis Williams.
Mrs. Goronwy Owen.	Robert David Jones.
Richard T. Vaughan, C.B.E.	Evan John Jones.
Alfred Ernest Hughes, C.B.E.	Mrs. Morris.
Mrs. Maelor Jones.	Robert Owen Wynne.
Owen Arthur Jonathan.	Richard Owen Griffith.
together with Dr. M. I. Jackson (Chest Physician).	

PUBLIC HEALTH OFFICERS OF THE AUTHORITY

WHOLE TIME OFFICERS

County Medical Officer of Health :

W. F. GAPPER, B.Sc., M.B., Ch.B., D.P.H.

Assistant Medical Officer of Health :

A. B. MONKS, B.A., M.B., B.Ch., B.A.O., D.P.H.
(resigned July, 1949)

EVAN WILLIAMS, M.R.C.S., L.R.C.P., D.P.H.
(appointed September, 1949)

Superintendent Nursing Officer :

Mrs. ELEANOR OWEN, S.R.N., S.C.M., Q.S., H.V.

Dental Surgeon :

E. CLWYDWYN JONES, L.D.S. (Part-time).
Mrs. M. LLOYD HUGHES, L.D.S. (Part-time).

Dental Attendant : Miss M. Edwards (Part-time) (Resigned,
February, 1949).
Miss E. P. Hughes (Part-time).
Miss Olwen Griffith (Part-time) (Resigned
May, 1949).
Miss D. Jones Roberts (Part-time) (Appointed
June, 1949. Resigned November, 1949).
Miss Arianwen Jones (Part-time) (Appointed
November, 1949).

School Nurse : Miss G. HUMPHREYS.

Tuberculosis Health Visitor : Miss Z. M. EVANS.

Clerks : Miss M. J. Jones.

Miss A. Griffith.

Miss Frances M. Edwards.

Miss Gwenfron Jones (Resigned January, 1949).

Miss Marion Roberts.

Miss Elizabeth Jones (Appointed Feb., 1949)

Miss E. Roberts.

PART-TIME OFFICERS :

The following were the Medical Officers of the Infant Welfare Centres :—

Aberdovey :	<u>Dr. H. R. Wright.</u>
Bala :	Dr. Robert Jones.
Barmouth :	Dr. James May.
Corwen :	Dr. H. J. Satchwell.
Corris :	Dr. D. MacKenzie Crooks.
Dolgelley :	Dr. H. D. Owen.
Dyffryn :	Dr. D. O. Williams.
Ffestiniog :	Dr. D. Whitaker.
Harlech :	Dr. R. Morris Williams.
Penrhyndeudraeth :	Dr. O. M. Prichard.
Towyn :	Dr. J. A. Davies.
Trawsfynydd :	Dr. G. Williams.

DISTRICT MEDICAL OFFICERS OF HEALTH

URBAN AREAS :

Bala :	Robert Jones.
Barmouth :	D. O. Williams.
Dolgelley :	R. W. Edwards.
Ffestiniog :	<u>J. W. Morris.</u>
Towyn :	<u>J. A. Davies.</u>

RURAL AREAS :

Deudraeth :	J. P. Nelis.
Dolgelley :	R. W. Edwards.
Edeyrnion :	D. R. Edwards.
Penllyn :	Robert Jones.
*Pennal :	J. C. Ashton.

* Is administered by the Machynlleth Rural District Council in the County of Montgomery.

OPHTHALMIC AND EAR, NOSE & THROAT SPECIALIST

Mr. Horace Mather, 50 Rodney Street, Liverpool.

MENTAL HEALTH SERVICE

Dr. J. H. O. Roberts, M.D. (Lond.), D.P.M.

Dr. G. Williams, M.D. (Lond.), D.P.M.

Psychologist : Dr. M. Vidor, Ph.D. (Leipzig) F.B.Ps.S.

Psychiatric Social Worker : Miss D. M. Thomas, B.Sc. (Lond).

Duly Authorised Officers : *Mr. Idwal Jones.

*Mr. R. G. Jones.

* Also Welfare Officers.

EXTRACT FROM VITAL STATISTICS 1949

Registrar General's estimate population for mid-year 1949 : 38,839.

	<i>Total</i>	<i>M</i>	<i>F</i>		
Live Births { Legitimate	613	320	293	} Birth rate per 1,000 estimated population	16.66
Births { Illegitimate	34	13	21		
Still Births	16	4	12	} Rate per 1,000 total live & still births.. 24.13	
Deaths	558			} Death rate per 1,000 estimated population	14.37
All Ages					
Deaths from puerperal causes headings 29 and 30 of the Registrar General's Short List :—				None	

	<i>Deaths</i>	<i>Rate per 1,000 total live and still births</i>
No. 29 puerperal sepsis	0	0
No. 30 other puerperal causes	0	0
Total	0	0

Death rate of Infants under one year of age :—

Total number of Infant Deaths	2
All Infants per 1,000 live births	32.4
Legitimate infants per 1,000 Legitimate live births	26.2
Illegitimate infants per 1,000 Illegitimate live births.. . . .	117.6

	<i>Totals</i>	<i>Males</i>	<i>Females</i>
Deaths from Cancer all ages	89	43	46
„ „ Measles all ages	—	—	—
„ „ Whooping Cough all ages	3	1	2
„ „ Diarrhoea under two years of age	1	1	—

TABLE I.

Giving the population in 1949 (estimated and the population as enumerated at the Census 1931, rateable value, and the product of a penny rate in the County and the several County Districts.

	<i>Popu- lation (estimated by Reg. Gen. 1949</i>	<i>Popu- lation Census 1931</i>	<i>Rateable value as at 31/3/50</i>	<i>Estimated Product of a penny rate 1949/50</i>
<i>Col. 1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>
				£ s. d.
County of Merioneth	38,838	43,201	151,688	573 4 11
Total Urban Dist. ..	17,453	19,298	76,670	288 7 10
Total Rural Dist. ..	21,385	23,903	75,018	284 17 1
Urban Districts :				
Bala	1,510	1,460	7,634	28 0 0
Barmouth	2,406	2,645	16,394	62 19 8
Dolgelley	2,517	2,313	10,559	39 1 6
Ffestiniog	7,211	9,078	23,402	86 14 7
Towyn	3,809	3,802	18,681	71 12 1
Rural Districts :				
Deudraeth	6,837	7,429	21,739	77 3 10
Dolgelley	7,225	7,768	28,196	107 17 10
Edeyrnion	4,143	4,724	17,958	70 13 9
Penllyn	2,842	3,601	6,020	25 7 3
Pennal C.P. .. .	338	381	1,105	3 14 5

TABLE II.

Population of the County, the total Urban and Rural Districts and of the several County Districts for the years 1945-1949 inclusive.

POPULATION

	1945	1946	1947	1948	1949
County of Merioneth ..	38,860	38,790	38,280	39,166	38,831
Total Urban Districts ..	17,000	17,070	16,760	17,335	17,451
Total Rural Districts	21,860	21,720	21,520	21,831	21,380
Urban Districts :					
Bala	1,435	1,408	1,397	1,454	1,511
Barmouth	2,390	2,318	2,311	2,439	2,400
Dolgelley	2,356	2,382	2,338	2,534	2,551
Ffestiniog	7,155	7,353	7,262	7,243	7,211
Towyn	3,664	3,609	3,452	3,665	3,800
Rural Districts :					
Deudraeth	6,747	6,706	6,639	6,805	6,851
Dolgelley	7,577	7,471	7,405	7,700	7,211
Edeyrnion	4,030	4,090	4,038	4,119	4,141
Penllyn	3,165	3,107	3,086	2,875	2,881
Pennal	380	346	352	326	311

TABLE III.

Giving the principal causes of deaths with the numbers in the County, Urban and Rural Districts with percentage of the total deaths in 1949.

	<i>Number of Deaths 1949</i>			<i>Deaths in Urban Districts</i>	<i>Deaths in Rural Districts</i>	<i>Percentage of total deaths in 1949</i>
	<i>Total</i>	<i>Males</i>	<i>Females</i>			
<i>Col. 1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
Heart diseases	144	66	78	70	74	25.85
Other diseases of the Circulatory system	28	4	24	14	14	5.03
Cancer	89	43	46	39	50	15.98
Intra Cranial vasc. diseases	76	30	46	36	40	13.64
Nephritis	18	9	9	10	8	3.23
Pulmonary Tuberculosis	27	18	9	15	12	4.85
Bronchitis	33	19	14	17	16	5.92
Pneumonia	19	9	10	10	9	3.41
Influenza	20	11	9	17	3	3.59

TABLE IV.

Showing the total number of deaths and for each sex in the County and County Districts with the rates per 1,000 of population for 1949 and for the previous nine years.

Col. 1	Number of deaths 1949			Death Rate per 1,000 popula- tion 1949	Death rates per 1,000 of population									
	Males	Females			1940	1941	1942	1943	1944	1945	1946	1947	1948	
		Total	Total											
	2	3	4	5	6	7	8	9	10	11	12	13	14	
England and Wales	..	..	..	11.7	14.3	12.9	11.6	12.1	11.6	11.4	11.5	12.0	10.8
County of Merioneth	260	298	558	14.37	16.4	16.6	14.8	15.3	15.3	14.46	16.68	14.81	14.60	
Total Urban Districts	128	148	276	15.81	17.8	17.6	15.2	16.5	16.5	14.94	18.63	14.56	14.59	
Total Rural Districts	132	150	282	13.19	15.3	15.8	14.6	13.9	14.3	14.09	15.15	15.01	14.61	
Urban Districts :														
Bala	11	11	22	14.57	15.4	18.3	25.0	16.9	18.3	16.72	20.60	10.74	11.69	
Barmouth	16	24	40	16.63	18.7	15.4	15.2	11.9	18.4	12.55	17.26	15.14	11.89	
Dolgelley	10	18	28	11.12	15.8	18.9	12.0	16.0	15.6	10.61	20.57	14.54	15.39	
Festiniog	70	65	135	18.72	17.9	19.1	16.4	20.3	15.9	16.35	18.49	15.01	17.39	
Towyn	21	30	51	13.39	16.7	15.9	11.6	11.4	16.2	15.82	17.73	14.77	11.46	
Rural Districts :														
Deudraeth	50	50	100	14.63	12.8	14.4	13.0	11.3	13.6	13.04	14.17	16.70	13.81	
Dolgelley	36 ²	51	87	12.04	16.4	15.9	15.8	13.6	14.2	13.86	15.26	14.44	13.49	
Edeyrnion	32	38	70	16.89	15.9	19.9	14.8	19.5	19.9	16.13	14.91	15.85	16.51	
Penllyn	13	10	23	8.09	16.7	13.9	15.5	12.2	9.8	12.64	16.74	11.67	16.38	
				5.69	19.7	12.6	10.2	21.1	10.5	29.33	20.23	14.20	18.40	

Giving the number of cases, male and female whose deaths have been registered from this cause, together with rate per 1,000 of estimated population in 1949, mean death rate for 1936 to 1938 and for the years 1944 to 1948.

CANCER

	1949 Numbers of Death			Death Rate per 1,000 of popula- tion	Mean Death Rate 1936 to 1938	Death rates per 1,000 of estimated population in the years				
	Males	Females	Total			1944	1945	1946	1947	1948
Col. 1	2	3	4	5	6	7	8	9	10	11
County of Merioneth	43	46	89	2.29	2.03	2.07	2.39	2.55	2.01	2.19
Total Urban Districts	19	20	39	2.23	1.99	2.35	2.76	3.04	1.97	2.37
Total Rural Districts	24	26	50	2.34	2.06	1.86	2.10	2.16	2.04	2.06
Urban Districts :										
Bala	3	1	4	2.65	1.78	3.52	1.39	4.26	1.43	1.38
Barmouth	—	2	2	0.83	1.67	1.95	2.09	1.72	3.03	1.23
Dolgelley	5	3	8	3.18	1.09	2.46	0.84	5.03	2.14	3.16
Festiniog	10	7	17	2.35	2.14	2.37	3.35	2.71	1.51	3.16
Towyn	1	7	8	2.10	2.57	2.09	3.82	2.77	2.32	1.36
Rural Districts :										
Deudraeth	15	12	27	3.95	1.89	2.28	1.93	1.49	3.01	1.76
Dolgelley	3	8	11	1.52	1.79	1.52	1.72	1.60	1.74	2.34
Edeyrnion	4	5	9	2.17	2.58	2.46	2.73	3.42	1.48	2.43
Penllyn	2	1	3	1.05	2.33	0.92	0.95	2.57	1.30	1.04
Pennal C.P.	—	—	—	—	1.91	2.63	5.86	8.67	2.85	6.14

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA

Laboratory Facilities :

Free laboratory services were available at the Aberystwyth and Conway Laboratories. The transport of specimens to the Laboratories was, on the whole, satisfactory, but it was felt that the transport of some specimens, particularly those of milk samples, which had to be delivered at the Laboratory by a certain time, was difficult and costly.

Ambulance :

The Ambulance Service established for carrying out the requirements of Section 27 of the National Health Service Act, 1946, was continued.

The Council-owned ambulances were stationed at Corwen, Blaenau Ffestiniog, Dolgelley, and Towyn, one at each station except at Dolgelley, where there were three vehicles, two of which were light ambulances often used for conveying "sitting cases."

Arrangements were made with a local Committee for continuing the service of an ambulance at Penrhyndeudraeth which was owned by a local voluntary Committee. Similarly, arrangements were made with the Red Cross at Barmouth and St. John's at Machynlleth, the latter by arrangement with the Montgomeryshire County Council.

Arrangements for mutual assistance were made with neighbouring Authorities and the Liverpool and Chester Corporations.

In addition financial arrangements were made with private garages and hiring agencies throughout the County for the hire of cars at a flat rate of 9d. per mile.

All requests for vehicles were made by General Practitioners, Nurses, Authorised Officers and Hospitals, except in emergencies where Police and Fire Service Officers had power to call for vehicles and the public in road or similar accidents. Each request for a vehicle was confirmed by the person calling upon its services, by a signed form.

The question of Central Control will be considered during the coming year as at present all requests for vehicles are made direct to the nearest ambulance station.

It appears at first that approximately one in nine of the total population of this County has been conveyed by this Service. In numerous cases, however, the same individual has been conveyed several times to and from Hospitals or clinics. It must be borne in mind, also, that those conveyed by this Service are those unable to travel by public transport.

The question of establishing a Central Repair Depot for all County vehicles is to be considered at a future date.

AMBULANCE AND 'SITTING CASE' CARS SERVICE

Table showing the mileage, journeys and number of patients carried during the year, 1949.

Ambulances owned by the County Council :

<i>Ambulance Stationed at:</i>	<i>Number of Journeys</i>	<i>Number of Patients carried</i>	<i>Mileage :</i>
Dolgelly	192	214	14,123
Corwen	90	92	4,384
Ffestiniog	367	408	3,395
Towyn	4	4	233
	653	718	22,135

Ambulances—Agency Services :

<i>Ambulances owned by :</i>	<i>Number of Journeys :</i>	<i>Number of Patients carried :</i>	<i>Mileage :</i>
Deudraeth Ambulance Committee	155	155	8,563
British Red Cross Society, Barmouth	16	16	1,963
St. John's Ambulance, Machynlleth ..	37	41	2,576
	208	212	13,102

*"Sitting Cases" carried by vehicles owned by
County Council :*

	<i>Number of Journeys :</i>	<i>Number of Patients carried :</i>	<i>Mileage :</i>
	303	358	16,262

*"Sitting Cases" carried by hired vehicles and Hospital
Car Service :*

	<i>Number of Journeys:</i>	<i>Number of Patients carried :</i>	<i>Mileage</i>
	3,009	3,175	152,580

Nursing in the Home, Midwifery and Health Visiting :

These services were continued by Nurses allocated to each district. Due to the scattered nature of the County it was considered more practical and economical for each individual Nurse to carry out all these services in the area allotted to her. Consideration was given to serve each area with individual Nurses for each separate service, but the resulting areas to be covered by each Nurse would be so large that the greater part of their time would be taken up in travelling. Also by the present arrangements fewer persons visit individual homes.

As the result of the National Health Service Act, 1946, providing free hospital beds for confinement cases and free General Practitioner services, the number of maternity cases confined at home by Midwives has markedly decreased, as shown in the following table :

BIRTHS

<i>Year:</i>	<i>Total Births in Institutions in County</i>	<i>Domi- ciliary</i>	<i>Total in County</i>	<i>Births in Institutions outside County</i>	<i>Total Notified Births</i>
1938	63	437	500	32	532
1944	191	320	511	143	654
1945	164	243	407	160	567
1946	181	266	447	170	617
1947	197	299	496	192	688
1948	222	259	481	182	663
1949	205	188	393	248	641

At the same time the work of home nursing has increased as several cases which might have been nursed in Hospitals if beds had been available, had to be nursed at home

Arrangements are being made for each Nurse to be trained so as to be qualified in Midwifery, Health Visiting and District Nursing. Grants for these purposes have been allowed by the Council.

The number of cases dealt with by the Nurses are shown in the tables.

Hospitals for Infectious Cases :

Most infectious cases from this County were admitted to Isolation Hospitals at Caernarvon, Wrexham and Aberystwyth. This County is divided into three areas each of which is served by one of three different Hospital Management Committees. There was no difficulty in admitting any infectious case during the year.

Venereal Diseases :

Treatment of these diseases is now undertaken by Officer of the Hospital Service. Clinics were held at Blaenau Ffestiniog and Dolgelley Hospitals.

SANITARY CIRCUMSTANCES OF THE AREA

Housing :

Each Sanitary Authority made some progress with their housing scheme, but many more houses are urgently required especially in some of the Districts. Several families have to share houses, while several others live in houses which are far from being satisfactory, and possibly unfit for human habitation.

Thus the Medical Officer of Health of Ffestiniog Urban District Council states in his annual report that 220 houses should be erected to provide for re-housing from proposed clearance areas and individual unfit-houses, and to abate overcrowding. Three Council houses were completed and lay-out plans completed for 12 houses, according to his report.

Schemes for Water Supplies and Sewerage :

Further water and sewerage schemes were submitted to the Welsh Board of Health and some were completed during the year.

The following Schemes were carried out during the year :—

Deudraeth R.D.C.—A Scheme for extension of the water supply for Talsarnau was approved and will be completed in the coming year. Schemes for water supplies in Llanfrothen and Gwynfryn were completed. Sewerage schemes at Trawsfynydd, Talsarnau and Llanfrothen were under construction. Other schemes are to be submitted for approval.

Barmouth U.D.C.—Extension of water supplies and sewerage scheme to 32 new Council Houses were completed as well as extensive works on the Cardigan Bay Outfall Sewer.

Dolgelly U.D.C.—The outfall sewerage scheme was completed and houses in the northern parts of the town were connected to the main sewerage works.

Dolgelly R.D.C.—No schemes were completed during 1949, but Water Supply Schemes for Llanfachreth, Llanymawddwy and Ganllwyd, and Sewerage Scheme for Dyffryn were approved by the Welsh Board of Health.

District Councils have made progress with schemes for water supplies and sewerage, but there are certain areas in this County which still require consideration. The Medical Officer of Health of Towyn U.D.C., stresses in his Annual Report the urgent need of supplying some farms and houses in the vicinity of Brynerug village, where water is drawn from a contaminated brook.

The District Medical Officer of Health of Barmouth mentions that Barmouth is sewered, but Llanaber and adjoining areas are not.

TABLE VII.

IMMUNISATION AGAINST DIPHTHERIA

Children immunised during the year ended 31st December, 1949.

<i>Sanitary District :</i>	<i>No. of children immunised by Officers of the County Council</i>		<i>No. of children immunised by private practitioners</i>		<i>Total</i>
	<i>aged</i>	<i>aged</i>	<i>aged</i>	<i>aged</i>	
	0-5	5-15	0-5	5-15	
Bala U.D.	32	8	6	1	47
Barmouth U.D.	9	1	21	5	36
Dolgelley U.D.	37	1	9	..	47
Ffestiniog U.D.	111	15	12	1	139
Towyn U.D.	30	1	14	..	45
Deudraeth R.D.	106	14	32	6	158
Dolgelley R.D.	105	15	14	5	139
Edeyrnion R.D.	39	7	35	2	83
Penllyn R.D.	53	9	1	..	63
Pennal C.P. .. ..	..	..	1	..	1
<i>Total</i>	522	71	145	20	758

SOCIAL WELFARE

The care of neglected children was undertaken by the Children's Department.

Similarly the after-care of the aged, of the blind and of handicapped persons was undertaken by the Welfare Department.

No action was taken by the County Medical Department for removal of persons under Section 47 of the National Assistance Act, 1948.

MENTAL HEALTH SERVICE

The monthly clinics held at Dolgelley were continued. A Psychiatrist, a Psychologist, and a Psychiatric Social Worker attended the clinics by arrangements with the North Wales Mental Hospital Management Committee.

Mental Defectives on licence were visited periodically by Health Visitors as well as the Psychiatric Social Worker. No arrangements have been made by this Authority for the training of Mental Health Workers.

Cases examined were those referred by General Practitioners, Medical Officers of Health and School Medical Officers.

During the year 18 new adult cases and 4 old adult cases were seen at the Dolgelley Clinic.

In addition 17 new cases of school children were seen at this clinic and there were 16 attendances of old cases.

The number of cases admitted to the Denbigh Hospital for Nervous and Mental Disorders were 44 voluntary and 17 on reception orders. There were 45 discharges and 11 deaths.

TABLE VIII.
MENTAL DEFICIENCY ACTS

Particulars of Mental Defectives as on 31st December, 1949

	<i>M</i>	<i>F</i>	<i>Total</i>		
1. Number of ascertained Mental Defectives found to be “ Subject to be dealt with ”—					
(a) In Institutions (including cases on licence therefrom)					

BLIND PERSONS

The number of Blind Persons on the County Register at the end of the year was 51 males and 48 females, making a total of 99.

17 cases were certified blind within the meaning of the Act during the year.

MATERNITY AND CHILD WELFARE

TABLE IX (a)

Number of Midwives practising in the area of the Local Supervising Authority at 31st December, 1949.

	<i>Domiciliary</i>	<i>In Institutions</i>	<i>Total</i>
(a) Midwives employed by the Authority	22	..	22
(b) Midwives employed by Voluntary Organisations (1) Under arrangements with the Local Health Authority in pursuance of Section 23 of the National Health Service Act . . . . .	..	..	..
(2) Otherwise (including hospitals not transferred to the Minister under the National Health Service Act..	..	1	1
(c) Midwives employed by the Hospital Management Committees or Boards of Governors under the National Health Service Act . . . .	..	5	5
(d) Midwives in Private Practice (including Midwives employed in Nursing Homes)	17	..	17
	39	6	45

TABLE IX. (b)

Number of maternity cases in the area of the Local Supervising Authority attended by Midwives during the year ended 31st December, 1949.

	<i>Domiciliary cases</i>		<i>Cases in Institutions</i>		<i>Total</i>	
	<i>As Mids</i>	<i>As Mat.</i>	<i>As Mids</i>	<i>As Mat.</i>	<i>As Mids</i>	<i>As Mat.</i>
(1) Midwives employed by the Authority	133	51	..	..	133	51
(2) Midwives employed by Voluntary Organisations (a) under arrangements with the Local Health Authority in pursuance of Section 23 of the National Health Service Act . . . . .	..	..	..	..	..	..
(b) Otherwise (including Hospitals not transferred to the Minister under the National Health Service Act . . . . .	..	..	33	48	33	48
(3) Midwives employed by Hospital Management Committees or Boards of Governors under the National Health Service Act . . . . .	..	..	36	89	36	89
(4) Midwives in Private Practice (including Mid-employed in Nursing Homes	1	..	..	..	1	..
	134	51	69	137	203	188

DENTAL TREATMENT

Arrangements existed for the dental treatment of expectant and nursing mothers but there were no acceptances. A number of pre-school children were treated at school clinics.

ANTE-NATAL AND POST-NATAL CLINICS

Ante-Natal clinics were held by Specialists by arrangements with the Regional Hospital Board at :—

Blaenau Ffestiniog :	1st and 3rd Mondays in each month.
Dolgelley :	2nd and 4th Mondays in each month.
Towyn :	last Wednesday in each month.
Corwen :	second Wednesday in each month.

Attendances at each clinic were as follows :—

	<i>Number of Women attended :</i>		<i>Total Attendances</i>	
	<i>Ante- natal</i>	<i>Post- natal</i>	<i>Ante- natal</i>	<i>Post- natal</i>
Blaenau Ffestiniog	95	6	288	6
Dolgelley	110	18	121	18
Towyn.. .. .	48	8	54	8
Corwen	19	..	29	..
	272	32	492	32

MEDICAL AID

The number of Medical Aid Forms issued by certified mid-wives during the year were :—

Domiciliary cases	..	..	..	..	..	33
Cases in Institutions	..	..	..	..	..	4

This shows a reduction over previous years.

MATERNITY OUTFITS

97 Maternity Outfits were issued throughout the year.

DOMESTIC HELP SERVICE

This service was developed during the year. At the end of the year three domestic helps were fully engaged on cases, while five others were employed part-time. 21 cases were provided with domestic helps during the year.

CHILD WELFARE CENTRES

Clinics were held at the twelve centres. There was an increase in total attendances at the centres, mainly in the children one to five, There were 369 new attendances of children under one year of age or 57% of the total births for the year.

TABLE X.
INFANT WELFARE CENTRES

<i>Centre :</i>	<i>Number of Meetings.</i>	<i>Total number of children in attendance</i>			<i>Average No. of Children in attendance at each Clinic Session.</i>			<i>Number of children in attendance for the first time</i>		
		<i>Under one</i>	<i>One to five</i>	<i>Total</i>	<i>Under one</i>	<i>One to five</i>	<i>Total</i>	<i>Under one</i>	<i>One to five</i>	<i>Total</i>
Bala	26	353	115	468	14	4	18	49	1	50
Barmouth	26	274	387	661	11	15	26	27	9	36
Corwen	12	57	82	139	5	7	12	17	2	19
Corris	11	75	126	201	7	11	18	14	8	22
Dolgelley	25	201	139	340	8	6	14	23	7	30
Festiniog	24	680	128	808	28	5	33	80	13	93
Harlech	12	118	61	179	10	5	15	16	7	23
Penrhyndeudraeth	24	500	502	1002	21	21	42	53	..	53
Towyn	23	348	395	743	15	17	32	42	12	54
Trawsfynydd	12	88	97	185	7	8	15	11	3	14
Aberdovey	12	116	346	462	10	29	39	21	2	23
Dyffryn	12	85	122	207	7	10	17	16	3	19

TABLE XI.

BIRTHS

	<i>No. of Births 1949</i>		<i>No. of Births notified by Doctors</i>	<i>No. of Births notified</i>	<i>No. of cases attended</i>	<i>No. of Notifi- cations received</i>
	<i>Regis- tered</i>	<i>Noti- fied in the County</i>		<i>by State certified mid- wives</i>	<i>by doctors & certified mid- wives</i>	<i>from Regi- strars of Births.</i>
<i>Col. 1.</i>	2	3	4	5	6	7
County of Merioneth	647	393	2	203	188	..
Total Urban Dists.	267	279	..	124	155	..
Total Rural Dists.	380	114	2	79	33	...
Urban Districts :						
Bala	26	13	..	11	2	...
Barmouth ..	27	59	..	38	21	...
Dolgelley	33	85	..	36	49	...
Festiniog	121	43	..	33	10	...
Towyn	60	79	..	6	73	...
Rural Districts :						
Deudraeth ..	131	35	2	20	13	...
Dolgelley	107	25	..	17	8	...
Edeyrnion ..	88	33	..	24	9	...
Penllyn.....	51	21	..	18	3	...
Pennal C.P. ..	3	..	..	..	—	..

TABLE VII.

Giving the birth rate per 1,000 of population for the decennial period, 1940-1949 in England and Wales, the County and County Districts.

Col. 1.	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
	2	3	4	5	6	7	8	9	10	11
England and Wales	14.6	14.2	15.8	16.5	17.6	16.1	19.1	20.5	17.9	16.7
County of Merioneth	12.7	13.2	14.1	14.7	16.4	15.23	16.42	17.63	17.41	16.66
Total Urban Districts	12.1	13.2	14.3	14.0	16.4	13.71	17.22	16.65	15.80	15.29
Total Rural Districts	13.3	13.2	14.1	15.2	16.4	16.42	15.78	18.38	18.69	17.77
Urban Districts :										
Bala	12.9	10.9	19.8	12.0	14.8	11.84	20.59	20.04	16.51	17.22
Barmouth	12.6	10.8	14.6	18.5	18.7	16.73	21.13	14.28	18.86	11.22
Dolgelley	18.9	14.1	10.2	10.2	11.5	16.97	11.75	17.53	17.36	13.11
Ffestiniog	11.6	17.3	15.5	14.0	15.8	12.01	16.99	17.21	14.49	16.78
Towyn	8.2	8.4	12.6	13.9	19.6	13.64	17.45	15.06	15.00	15.74
Rural Districts :										
Deudraeth	14.8	12.5	16.6	19.1	16.7	17.49	18.34	18.53	18.51	19.16
Dolgelley	10.9	13.2	13.1	12.5	16.4	15.57	14.85	18.09	16.61	14.81
Edeyrnion	15.4	16.8	12.4	18.1	17.9	20.84	17.10	21.79	19.18	21.24
Penllyn	13.4	11.3	14.0	10.7	15.3	11.06	11.26	15.55	24.00	17.94
Pennal C.P.	18.9	5.1	5.1	5.3	5.3	11.73	11.56	8.52	21.47	8.88

TABLE XII.

BIRTHS

Showing the number of births and the birth rates in the County and in the County Districts with the number of illegitimate births with the percentage of total births for the year 1949.

	<i>No. of births, 1949</i>			<i>Birth rate per 1000 of estimated pop'n.</i>	<i>Illegitimate Births</i>	
	<i>Males</i>	<i>Females</i>	<i>Total</i>		<i>No.</i>	<i>per cent of Total Births</i>
<i>Col. 1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
England and Wales . . . . .	..	..	..	16.7	..	..
County of Merioneth	333	314	647	16.66	34	5.25
Total Urban Dist.	138	129	267	15.29	14	5.24
Total Rural Dist.	195	185	380	17.77	20	5.26
Urban Districts :						
Bala	12	14	26	17.22	2	7.69
Barmouth ..	17	10	27	11.22	3	11.11
Dolgelley ..	17	16	33	13.11	2	6.06
Festiniog	64	57	121	16.78	4	3.31
Towyn	28	32	60	15.74	3	5.00
Rural Districts :						
Deudraeth ..	61	70	131	19.16	5	3.82
Dolgelley	57	50	107	14.81	7	6.54
Edeyrnion ..	48	40	88	21.24	6	6.82
Penllyn	28	23	51	17.94	2	3.92
Penllyn C.P.	1	2	3	8.88	..	..

Giving the number of Still Births registered and notified with certain "Still Births" rates, 1949.

	Col. 1	No. of cases of still-births notified by			No. of cases attended by Doctor and Certified Midwife		Still Birth Rates	
		No. of Still Births in Registrar's Return	Doc-tor	State Cer-tified Midwife	Regis-trar of Births	6	per 1,000 Population	per 1,000 total Births (Live and Still births)
England and Wales	0.39	..
County of Merioneth	16	..	2	..	5	0.41	24.13
Total Urban Districts	4	..	..	..	4	0.23	14.76
Total Rural Districts	12	..	2	..	1	0.56	30.61
Urban Districts :								
Bala
Barmouth
Dolgelley	1	..	..	..	2	0.40	29.41
Ffestiniog	1	..	..	..	..	0.14	8.20
Towyn	2	..	..	..	2	0.53	32.26
Rural Districts :								
Deudraeth	5	..	1	..	1	0.73	36.76
Dolgelley	3	..	1	..	..	0.42	27.27
Edeyrnion	2	..	..	..	..	0.48	22.22
Penllyn
Pennal C.P.	2	..	..	..	..	5.92	400.00

TABLE XV.

HEALTH VISITING, 1949

Showing the number of Health Visits paid by part-time Health Visitors.

<i>Districts</i>	<i>Visits to children 0-1 years of age</i>		<i>to children 1-5 years of age</i>	<i>Total Health Visits to 0-5 years</i>
	<i>Primary Visits</i>	<i>Total Visits</i>		
Aberdovey	16	108	142	250
Bala	78	317	429	746
Barmouth	31	190	241	431
Corris	15	78	123	201
Corwen	72	300	322	622
Dinas Mawddwy..	15	76	154	230
Dolgelley	57	371	443	814
Dyffryn	17	131	140	271
Celynin	18	76	109	185
Festiniog	124	683	1020	1703
Harlech	31	183	235	418
Llanegryn	20	130	140	270
Penrhyndeudraeth	50	228	92	320
Towyn	31	168	236	404
Trawsfynydd ..	15	216	269	485
<i>Total</i>	590	3255	4095	7350

TABLE XVI.

Giving the Maternal Mortality rate per 1,000 live births in quinquennial periods, and the years 1946, 1947, 1948, 1949.

<i>Quin- quennial Periods</i>	<i>Puerperal Fever</i>		<i>Other accidents and diseases of pregnancy</i>		<i>Totals of columns 2 & 4 and 3 and 5</i>	
	<i>Mer- ioneth</i>	<i>England and Wales</i>	<i>Mer- ioneth</i>	<i>England and Wales</i>	<i>Mer- ioneth</i>	<i>England and Wales</i>
<i>Col. 1</i>	2	3	4	5	6	7
1911-1915	2.6	1.5	5.4	2.3	8.0	3.6
1916-1920	1.3	1.6	4.3	2.3	5.6	3.9
1921-1925	1.8	1.6	2.7	2.5	2.7	4.1
1926-1930	1.7	1.7	3.8	2.5	5.5	4.3
1931-1935	2.2	1.8	5.1	2.5	6.8	4.3
1936-1940	0.8	0.9	1.5	2.1	2.3	3.0
1941-1945	0.6	0.5	0.9	1.5	1.6	2.0
1946	1.5	0.1	4.5	1.0	6.0	1.1
1947	..	0.1	2.9	0.8	2.9	0.9
1948	..	0.1	..	0.8	..	0.9
1949	..	0.1	..	0.8	..	0.9
	..					
	..					
	..					

TABLE XVII.

INFANT MORTALITY, 1949

[illegible]

TABLE XVIII.

INFANT MORTALITY

Showing the causes of death and number of infants who died under one year of age in the several County Districts and in the County.

URBAN AREAS										RURAL AREAS						Total County
Cause of Death	Bala	Barmouth	Dolgelly	Festiniog	Towyn	Total Urban Districts	Deudraeth	Dolgelly	Edeyrnion	Penllyn	Pennal	Total Rural Districts				
	Col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14		
1. Measles..		
2. Whooping Cough	2	..	..	2	..	1	..	..	..	1	3		
3. Bronchitis		
4. Pneumonia	1	..	..	1	..	..	..	..	..	1	2		
5. Meningitis		
6. Gastro-enteritis	1	..	..	1	1		
7. A arasmus		
8. Convulsions	1	..	..	..	1	..	1		
9. Prematurity	..	1	..	..	..	2	4	1	1	1	..	3	..	7
10. Difficult Labour..		
11. Congenital Causes	1	..	..	..	1	..	1		
12. Other Defined Causes	2	1	1	1	4	..	4		
13. Uncertified		
14. Coroner	1	1	..	..	..	..	2		

TABLE XIX.

Giving the causes of deaths of infants under one year of age and ages at death, 1949

<i>Causes of Death</i>	<i>Number of deaths of infants at the several age periods</i>										
	<i>Under one week</i>	<i>1-2 weeks</i>	<i>2 to 3 weeks</i>	<i>3 to 4 weeks</i>	<i>Total under 4 weeks (1 month)</i>	<i>4 weeks and under 3 months</i>	<i>3 months and under 6 months</i>	<i>6 months and under 9 months</i>	<i>9 months and under 12 months</i>	<i>Total 2-12 months</i>	<i>Total under 12 months</i>
<i>Col. 1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>11</i>	<i>12</i>
1. Measles
2. Whooping Cough
3. Bronchitis
4. Pneumonia	1	..	..	..	1	..	..	..	1	2
5. Meningitis
6. Gastro-enteritis	1	..	1	1
7. Marasmus
8. Convulsions
9. Prematurity	6	..	..	1	1	1	..	..	..	1	7
10. Difficult Labour	6	1	..	..	..	..	..
11. Congenital Causes	1	..	..	1	..	..	..	..	..	1
12. Other defined diseases	1	..	1	2	..	4
13. Uncertified
14. Coroner	2	..	..	..	2

TABLE XX.

VACCINATION, 1949

<i>Name of Doctor :</i>	<i>Number of successful primary vaccinations of persons</i>			<i>Nos. of successful re-vaccinations made</i>
	<i>Under 1 year of age</i>	<i>1 year and upwards</i>	<i>Total</i>	
	1	2	3	4
Davies, I. H.,	2	1	3	0
Davies, J. A.	4	2	6	7
Edwards, R. W.	4	1	5	2
Heath, J. R.	1	1	2	3
Hogg, R. J. G... ..	7	1	8	0
Hughes, Trefor	1	1	2	0
Jones, M. Parry	16	14	30	0
Jones, Robert	2	6	8	0
Lloyd, J. H. Marshall	10	10	20	5
May, James	1	0	1	0
Morris, E. H.,	1	0	1	0
Prichard, O. M.	5	3	8	3
Pritchard, Wyn	0	2	2	2
Satchwell, H. J. & M.G.	23	16	39	0
Williams, D. O.,	0	11	11	3
Williams, G.,	2	0	2	0
Williams, R. M.,	6	6	12	2
Wright, H. R.,... ..	1	2	3	3
<i>Total</i>	86	77	163	30

INFECTIOUS DISEASES—TABLE XX.

The number of cases of Infectious Diseases notified from each County District will be found in the following table.

	Scarlet Fever				Diphtheria				Whooping Cough				Measles				Puerperal pyrexia	Acute Pneumonia	Erysipelas
	No. of Cases	Incidence per 1,000	No. of deaths	No. of Cases.	Incidence per 1,000	No. of deaths	No. of Cases	Incidence per 1,000	No. of deaths	No. of Cases	Incidence per 1,000	No. of deaths	No. of Cases	Incidence per 1,000	No. of deaths	No. of Cases	No. of Cases	No. of Cases	No. of Cases
<i>Col. 1.</i>	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
County of Merioneth	5	.13	..	..	..	..	55	1.42	3	18	0.45	..	..	8	..	..	..	..	..
Total Urban District	..	..	..	..	..	..	11	0.63	2	17	0.97	..	..	2	..	..	..	..	..
Total Rural Districts	5	0.23	..	..	..	..	44	2.06	1	1	0.05	..	..	6	..	..	..	..	..
Urban Districts																			
Bala.....	..	..	..	..	..	..	..	..	..	2	1.32	..	..	..	..	..	..	..	..
Barmouth .....	..	..	..	..	..	..	3	1.25	..	..	..	..	..	..	..	..	..	..	..
Dolgelly .....	..	..	..	..	..	..	1	0.40	..	1	0.45	..	..	..	..	..	..	..	..
Festiniog .....	..	..	..	..	..	..	7	0.97	2	14	1.94	..	..	2	..	..	..	..	..
Towyn .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rural Districts :																			
Deudraeth .....	..	..	..	..	..	..	7	1.02	..	..	..	..	..	..	..	..	..	..	..
Dolgelly	3	0.42	..	..	..	..	14	1.94	1	..	..	..	..	..	..	..	..	..	..
Edeyrnion .....	..	..	..	..	..	..	21	5.07	..	1	0.24	..	..	6	..	..	..	..	..
Penllŷn	2	0.70	..	..	..	..	2	0.70	..	..	..	..	..	..	..	..	..	..	..

TABLE XXII.

Showing the numbers of deaths from Tuberculosis in the several County Districts, with the " phthisis " death rate and the total tuberculosis rate per 1,000 of population.

	1949 Deaths from Tuberculosis		Death rates per 1,000 of population	
	<i>Pul- monary cases</i>	<i>Non- Pul- monary cases</i>	<i>Phthisis Death rate</i>	<i>Total Tuber- culosis Death rate</i>
<i>Col. 1</i>	2	3	4	5
County of Merioneth	27	6	0.69	0.85
Total Urban Dists...	15	4	0.86	1.09
Total Rural Dists...	12	2	0.57	0.65
Urban Districts :				
Bala	2	..	1.32	1.32
Barmouth .. ..	..	..	..	..
Dolgelley .. ..	..	..	..	..
Festiniog	11	3	1.52	1.94
Towyn.. .. .	2	1	0.53	0.79
Rural Districts :				
Deudraeth	6	1	0.87	1.02
Dolgelley	4	..	0.55	0.55
Edeyrnion	2	..	0.48	0.48
Penllyn .. .. .	..	1	..	0.35
Pennal C.P. .. .	..	..	..	..

TABLE XXIII.

Showing the total tuberculosis death rate for the decennial period 1940—1949.

	Col. 1	<i>Total Tuberculosis death rate per 1,000 of population</i>									
		1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
		2	3	4	5	6	7	8	9	10	11
County of Merioneth	0.91	0.93	0.75	0.77	0.99	0.84	0.92	1.12	0.74	0.85
Total Urban Districts	0.80	0.95	0.89	0.99	1.15	0.94	1.23	1.37	1.21	1.09
Total Rural Districts	1.00	0.92	0.63	0.60	0.88	0.77	0.68	0.93	0.36	0.65
Urban Districts :											
Bala	1.85	..	1.30	..	1.41	..	0.71	0.72	1.37	1.32
Barmouth	0.38	1.23	0.66	0.69	0.78	0.41	1.29	0.43	0.82	..
Dolgelley	0.79	1.45	0.75	0.78	1.23	0.42	0.41	0.42	0.39	..
Festiniog	1.20	1.05	1.23	2.00	1.53	1.39	2.17	2.62	2.21	1.94
Towyn	0.62	0.44	..	0.52	1.09	0.00	0.29	..	0.79
Rural Districts											
Deudraeth	1.36	1.27	1.06	0.55	1.43	1.03	1.04	1.51	0.29	1.02
Dolgelley	1.09	0.77	0.80	0.36	0.49	0.63	0.66	0.94	0.26	0.55
Edeyrnion	0.24	0.89	0.45	0.93	0.49	0.74	..	0.49	0.24	0.48
Penlllyn	1.56	0.58	0.60	0.61	0.61	0.63	0.96	0.32	1.04	0.35
Pennal C.P.	2.70	..	..	..	2.63	2.93	..	..	..	..

TABLE XXIV.

TUBERCULOSIS

New Cases and total deaths from Tuberculosis during the year 1949 in various age group

Age Periods	NEW CASES				DEATHS			
	Respiratory		Non-respiratory		Respiratory		Non-respiratory	
	Males	Females	Males	Females	Males	Females	Males	Females
Col. 1	2	3	4	5	6	7	8	9
0-1	..	..	..	..	..	..	1	..
1-2	..	..	..	..	..	..	..	..
2-5	1	1	..	..	..	..	..	..
5-10	1	..	..	..	..	..	..	..
10-15	2	..	1	..	..	1	..	..
15-20	2	..	1	..	..	1	1	1
20-25	3	4	1	..	..	1	..	2
25-35	8	3	3	4	3	2	..	..
35-45	5	3	2	1	6	1	1	..
45-55	4	..	..	1	1	3	..	..
55-65	6	1	..	..	6	..	..	..
65-75	7	..	..	..	2	..	..	..
75- Upwards	..	..	..	..	..	..	..	..
Totals of All Ages...	39	12	8	6	18	9	3	3

TABLE XXV.

Showing new cases of Tuberculosis and the total deaths from tuberculosis in the County and the several districts.

	NEW CASES				DEATHS			
	Respiratory		Non respiratory		Respiratory		Non respiratory	
	Males	Females	Males	Females	Males	Females	Males	Females
<i>Col. 1</i>	2	3	4	5	6	7	8	9
County of Merioneth	..	..	..	..	..	..	..	..
Total Urban Districts	39	12	8	6	18	9	3	3
Total Rural Districts	24	9	5	4	10	5	2	2
Urban Districts :	15	3	3	2	8	4	1	1
Bala ..	1	0	1	..	2	..	..	..
Barmouth ..	2	1	2	1	..	..	..	..
Dolgelley ..	3	2	1	1	..	..	..	..
Festiniog ..	16	6	1	1	7	4	2	1
Towyn ..	2	..	..	1	1	1	..	1
Rural Districts :	..	..	..	..	..	..	..	..
Deudraeth ..	3	2	2	..	4	2	1	..
Dolgelley ..	9	..	1	1	4	..	..	..
Edeyrnion ..	2	..	..	..	..	2	..	..
Penllyn ..	..	..	..	1	..	..	..	1
Pennal C.P. ..	1	1	..	..	..	..	..	..

TABLE XXVI.

TUBERCULOSIS

Admissions and Discharges from Hospitals and Sanatoria.

<i>Quarter ended :</i>	<i>Pulmonary</i>		<i>Non-Pulmonary</i>		<i>Total</i>	
	<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>
31/5/49 ..	1	3	2	1	3	4
30/6/49.. ..	8	3	1	..	9	3
30/9/49.. ..	12	3	1	2	13	5
31/12/49 ..	3	3	2	2	5	5
	24	12	6	5	30	17

TABLE XXVII.
FOOD AND DRUGS ADULTERATION ACTS

Article.	Samples :		Adulterated :		Nature of adulteration or irregularity	Observations Particulars of Non-genuine Samples
	Formal	In-formal	Formal	In-formal		
Milk	108	..	21	..	(a) 7% added water. (b) 11% do. (c) 5% deficient in fat. (d) 5% added water. (e) 5% deficient in fat, also below for solids not fat. No added water. Freezing point normal. (f) below for solids not fat. No added water. All freezing points normal. (g) do. do. (h) do. do. (i) 7% deficient in fat. (j) 7% deficient in fat. (k) 32% deficient in fat. Also below for solids not fat. No added water. (l) Freezing pt. normal Slightly below for solids not fat.	Fat 3.4%. S.N.F. 8.3%. F.P. 0.586%, 3.2%, 8.3%, 0.536%, 3.4%, 8.3% 0.541% 2.8%, 8.7%. 2.8%, 8.7%. 2.05%. 8.4%. 0.544%. 8.4%.

Article.	Samples :			Adulterated :			Nature of adulteration or irregularity	Observations* Particulars of Non-genuine Samples
	Formal	In- formal	Total	Formal	In- formal	Total		
Appeal to Cow	4	..	4	..	..	..	(m) deficient in fat 28%	Fat S.N.F. F.P. (Horvet) 2.9% 8.6% 3.55% 8.3% 0.53%
Irish Whiskey ..	1	..	1	..	..	..	(n) Below for S.N.F.No	
Whiskey ..	2	1	3	..	..	..	(o) added water. Both	
Sausages ..	..	10	10	..	..	..	freezing points nor- mal.	
Olive Oil ..	..	1	1	..	..	..	(p) 7% efficient in fat.	
White Pepper	..	1	1	..	..	..	(q) 12% deficient in fat.	Fat S.N.F. F.P. (Horvet) 2.9% 8.6% 3.55% 8.3% 0.53%
Custard Powder	..	2	2	..	..	..	(r) 10% deficient in fat.	
Toffee Anisct	1	..	1	..	..	..	(s) 3% deficient in fat.	
Fish Cakes	..	2	2	..	..	..	(t) Below for solids not fat. No added water F.I.P. normal.	2.9% 8.6%
Cheese Cake Flour	..	..	..	..	..	..	(u) 3% deficient in fat.	
Mixture ..	..	1	1	..	..	..
Dessert Mould	..	1	1	..	..	..
Caraway Seed ..	..	1	1	..	..	..
Honey ..	..	1	1	..	..	..
Pure Malt Vinegar	..	1	1	..	..	..
Salad Cream ..	1	3	4	..	..	..

Article.	Samples :			Adulterated :			Nature of adulteration or irregularity	Observations Particulars Non-genuine Samples
	Formal	In-formal	Total	Formal	In-formal	Total		
Tomato Ketchup ..	..	1	1	..	..	..
Danish Sweetened Fat .. ..	..	1	1	..	..	..
Cake Flour Mixture..	..	1	1	..	..	..
Ice-Cream .. ..	..	22	22	..	..	..
Mayonnaise	1	..	1	..	..	..
Rattle Snaky Oil ..	1	..	1	..	..	..
Vitamin Fruit Rings	1	..	1	..	..	..
Beef Suet with Flour	..	1	1	..	..	..
Jelly Crystals .. ..	..	1	1	..	..	..
Meat Paste .. ..	..	2	2	..	..	..
Gravy Salt or Brown:ing .. ..	..	1	1	..	..	..
Gelatine .. ..	..	2	2	..	..	..
Mince Meat .. ..	..	1	1	..	..	..
Lemonade Powder ..	..	1	1	..	..	..
Slab Toffee	1	..	1	..	..	..
Grape Fruit Juice ..	..	1	1	..	..	..
Gin .. ..	..	1	1	..	..	..

URBAN DISTRICTS

TABLE XXVIII.

RURAL DISTRICTS

Causes of death in the several County Districts, 1949.

No.in R. G. List	CAUSES OF DEATH	Bala U.D.		Barmouth U.D.		Dolgelley U.D.		Festiniog U.D.		Towyn U.D.		Total Urban Districts		Deudraeth R.D.		Dolgelley R.D.		Edeyrnion R.D.		Penllyn R.D.		Pennal C.P.		Total Rural Districts		Total County	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
	ALL AGES	11	11	16	24	10	18	70	65	21	30	128	148	50	50	36	51	32	38	13	10	1	1	132	150	260	298
2	Cerebro-spinal fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	—	..
3	Scarlet Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4	Whooping Cough.....	..	..	..	..	..	..	1	1	..	..	1	1	..	..	..	1	..	..	..	..	..	..	..	1	2	
5	Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	—	—	—	—
6	Tb. of Respiratory System..	2	..	..	..	..	..	7	4	1	1	10	5	4	2	4	..	..	2	..	..	..	..	8	4	18	9
7	Other form of Tuberculosis..	..	..	..	..	..	..	2	1	..	1	2	2	1	..	..	..	..	..	1	..	..	..	1	1	3	3
8	Syphilitic Diseases .....	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	1	..	2	..
9	Influenza .....	..	..	..	1	..	..	10	5	1	..	11	6	..	..	..	1	..	2	..	..	..	..	..	3	11	9
10	Measles .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11	Acute poliomyiel&polioenceph	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
13	Cancer of buccal cavity, oesophagus (M), uterus (F)	..	..	..	..	..	..	1	1	..	..	1	1	..	3	..	..	..	—	..	..	..	..	..	3	1	4
14	Cancer of Stomach and duo- denum	2	..	..	..	2	1	4	3	..	3	8	7	6	4	..	1	1	3	2	1	—	..	9	9	17	16
15	Cancer of Breast .....	..	1	..	1	..	..	..	..	..	1	..	3	..	—	..	4	..	1	..	..	..	..	5	..	8	
16	Cancer of all other Sites....	1	..	..	1	3	2	5	3	1	3	10	9	9	5	3	3	3	1	..	..	—	—	15	9	25	18
17	Diabetes .....	..	..	..	..	..	..	2	2	..	..	2	2	—	—	..	2	..	1	..	..	..	..	3	2	5	
18	Intra cranial vascular lesions	..	2	2	2	1	4	6	10	4	4	13	22	9	8	3	7	3	7	2	1	..	—	17	23	30	45
19	Heart Diseases.....	4	5	9	6	2	3	17	16	5	3	37	33	6	13	8	17	10	11	5	3	..	1	29	45	66	78
20	Other diseases of circulatory system .....	..	..	1	2	..	..	..	8	..	3	1	13	1	3	1	4	1	1	..	3	..	..	3	11	4	24
21	Bronchitis.....	..	..	..	1	1	2	7	4	1	1	9	8	3	2	4	3	2	1	1	..	..	..	10	6	19	14
22	Pneumonia .....	..	..	1	1	..	1	2	..	2	3	5	5	2	..	1	3	1	2	..	..	..	..	4	5	9	10
23	Other Respiratory Diseases	..	..	1	..	..	..	1	1	..	..	2	1	3	1	1	..	..	1	..	1	..	..	4	3	6	4
24	Ulcer of stomach or d'denum	..	..	..	..	..	..	..	..	..	..	..	—	..	..	..	..	..	..	..	..	..	..	..	..	—	—
25	Diarrhoea under 2 years ..	..	..	..	..	..	..	..	..	..	..	—	—	..	..	..	..	1	..	..	..	..	..	1	..	1	—
26	Appendicitis .....	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	—
27	Other digestive diseases ..	..	..	..	1	..	..	..	..	..	..	..	1	1	2	—	—	1	..	..	..	1	..	3	2	3	3
28	Nephritis .....	..	2	..	3	..	1	..	1	2	1	2	8	1	—	5	—	..	1	..	—	—	..	6	1	8	9
29	Puerperal and post abortion sepsis .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	—	..	..
30	Other maternal causes ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	—	..	..
31	Premature Birth .....	..	..	..	..	..	..	..	..	1	..	1	..	..	—	1	..	1	..	..	—	..	..	2	..	3	..
32	Congenital malformations, birth injuries, inf. diseases	..	1	..	..	..	..	..	1	..	..	..	2	2	1	2	..	..	..	—	..	..	..	4	1	4	3
33	Suicide .....	..	..	..	..	..	..	..	..	..	..	—	..	..	..	..	..	..	..	..	..	..	..	—	—	..	..
34	Road Traffic Accidents ....	..	..	1	..	..	1	..	..	..	..	1	1	..	..	1	..	3	..	1	..	..	..	5	—	6	1
35	Other violent causes	1	..	1	..	..	..	1	..	..	1	3	1	..	1	..	1	1	..	..	..	..	..	1	2	4	3
36	All other causes	1	..	..	5	1	3	2	4	2	5	6	17	2	5	2	4	3	4	2	—	..	..	9	13	15	30

URBAN DISTRICTS

—TABLE XXIX. —

RURAL DISTRICTS

Showing the ages at death from the several causes in Urban and Rural Districts

No.in R.G. List	CAUSES OF DEATH	All ages		Under 1 year		1 to 5 years		5 to 15 years		15 to 45 years		45 to 65 years		65 and over		All ages		under 1 year		1 under 5 years		5 to 15 years		15 to 45 years		45 to 65 years		65 and upwards	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
	ALL AGES.....	128	148	2	5	1	1	..	4	12	7	34	30	79	101	132	150	7	7	2	..	1	..	16	5	29	30	77	108
2	Cerebro Spinal Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3	Scarlet Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4	Whooping Cough.....	1	1	1	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..
5	Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	—	..	..	..	..	..	..	..	..	..	..
6	Tb. of respiratory System ..	10	5	..	..	..	1	5	2	4	2	1	..	8	4	..	4	..	..	..	..	..	3	3	4	1	1	..
7	Other forms of tuberculosis	2	2	..	..	..	..	2	2	..	..	..	..	1	1	1	1	1	..	..	..	..	1	..	..	..	..	..
8	Syphylitic Diseases	1	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..	..	..	..	..	..	..	1	..	..	..	..
9	Influenza	11	6	..	1	1	..	..	..	..	1	10	4	..	3	—	..	..	..	..	..	..	..	..	1	..	2	..
10	Measles .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12	Acute inf. enciphalitis	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13	Cancer of buccal cavity : oesophagus (M), uterus (F)	1	1	..	..	..	..	..	..	..	1	1	..	..	3	..	3	..	..	..	..	..	..	..	2	..	1	..
14	Cancer of stomach & d'denum	8	7	..	..	..	..	..	..	3	..	5	7	9	9	..	9	..	..	..	..	..	1	..	3	4	5	5
15	Cancer of Breast .....	..	3	..	..	..	1	..	1	..	1	..	1	..	5	..	5	..	..	..	..	..	..	1	..	..	4	..
16	Cancer of all other sites ..	10	9	..	..	..	1	2	4	8	4	15	9	..	9	..	9	..	..	..	..	..	1	..	3	5	11	4
17	Diabetes	2	2	..	..	..	..	1	1	1	1	..	3	..	3	..	3	..	..	..	..	..	..	..	..	..	3	..
18	Intra cranial vascular lesions	13	22	..	..	..	..	1	6	12	16	17	23	..	23	..	23	..	..	..	..	..	..	4	4	13	19	..
19	Heart Diseases.....	37	33	..	..	..	1	14	4	22	28	29	45	..	45	..	45	..	..	..	..	..	1	..	3	5	25	40
20	Other diseases of circulatory system	1	13	..	..	..	..	..	2	1	11	3	11	..	11	..	11	..	..	..	..	..	..	..	2	1	1	10
21	Bronchitis.....	9	8	..	..	..	1	3	1	5	7	10	6	..	6	..	6	1	..	..	..	..	..	1	1	7	5	..
22	Pneumonia	5	5	..	1	..	1	2	..	3	2	4	5	..	5	..	5	2	..	..	..	..	1	..	1	2	2	1
23	Other respiratory diseases	2	1	..	..	..	..	..	1	2	..	4	3	..	3	..	3	1	..	..	..	..	1	..	3	..	..	2
24	Ulcer of stomach or d'denum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
25	Diarrhoea under 2 years ..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..	1	..	..	..	..	..	..	..	..	..	..
26	Appendicitis	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
27	Other digestive diseases ..	..	1	..	..	..	..	..	1	..	1	2	2	..	2	2	2	2	..	..	..	..	..	1	..	1	2	..
28	Nephritis	2	8	..	..	..	1	..	1	2	6	7	1	..	1	..	1	..	..	..	..	..	..	2	..	5	1	..
29	Puerperal&post abort'n sepsis	..	..	..	..	..	..	..	..	..	..	..	..	..	—	..	..	..	..	..	..	..	..	..	..	..	..	..
30	Other maternal causes.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
31	Premature Birth	1	..	1	..	..	..	..	..	..	..	2	..	2	..	2	..	2	..	..	..	..	..	..	..	..	..	..
32	Congenital malformations, birth injuries,infant diseases	..	2	..	2	..	..	..	..	..	..	4	1	3	..	1	1	3	..	..	..	..	..	1	1	..	..	..
33	Suicide .....	..	..	..	..	..	..	..	..	..	..	..	—	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
34	Road traffic accidents	1	1	..	..	..	..	1	1	..	1	5	—	..	—	..	—	..	—	..	..	..	5	..	..	..	..	..
35	Other violent causes	3	1	..	..	..	..	2	..	1	..	1	2	..	2	..	2	2	..	..	..	..	..	..	..	1	..	..
36	All other causes	6	17	..	..	..	1	1	3	5	13	9	13	..	13	..	1	1	—	1	—	1	..	2	1	..	2	9

